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L2: 4 of 18

FLOATING MAGNETIC

HEAD

INVENTOR:

ONISHI, KAZUMASA

NAKAMURA, ISAO

APPLICANT:

ALPS ELECTRIC CO LTD

APPL NO:

JP 03200951

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INT-CL:

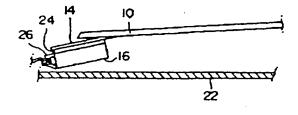
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ABSTRACT:

PURPOSE: To avoid danger of a head crash by piezoelectric element between a inserting a flexure and a slider.

CONSTITUTION: The flexure 14 is attached at a tip of a load beam 10 and the piezoelectric element 24 is provided on the flexure 14 and besides the slider 16 having a magnetic core 26 is attached to the piezoelectric element 24 and a is composed. At a stopped magnetic head time of a rotation of a magnetic disk thickness of the piezoelectric element 24 is shrunk by a voltage impressed on the piezoelectric element 24 and the slider 16 is set at such a position that the slider is not allowed to contact with the magnetic disk 22. Also at an operating time, the magnetic 22 rotates at a regular speed and a voltage piezoelectric element 24 is applied to the suppressed by making it coincide with the generation of a high speed of air flow having a sufficient floating force. Thus a contact sliding head and the magnetic between the magnetic 22 is eliminated and the damage is disk avoided.

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